



ELSEVIER

Chemical Engineering Journal 88 (2002) 265

Chemical  
Engineering  
Journal

[www.elsevier.com/locate/cej](http://www.elsevier.com/locate/cej)

## Author Index of Volume 88

Alexandrova, S. 127  
Alpbaz, M. 163  
Artigas, H. 1  
Asano, K. 59  
Aşkin, A. 255  
Ayedi, H.F. 71  
Bal'zhinimaev, B.S. 201  
Bandyopadhyay, S. 175  
Bassi, A.S. 141  
Belyaeva, N.P. 201  
Boyd, J.W.R. 111  
Cabbar, Y. 163  
Calero, S. 81  
Chau, J.L.H. 187  
Chesters, A.K. 127  
Dai, Y.Y. 95  
Fane, A.G. 37, 45  
Feki, M. 71  
Fitz Jr., C.W. 11  
Gan, Q. 95  
Gascón, I. 1  
Gavriliidis, A. 187  
Gourdon, C. 127  
Grandjean, B.P.A. 245  
Grau, M.D. 225  
Han, M. 215  
Hapoğlu, H. 163  
Hongyan, Z. 21  
Hsu, H.-C. 27  
Huang, D. 215  
Igarashi, K. 53  
İnel, O. 255  
Jianping, W. 209  
Jin, Y. 215  
Karacan, S. 163  
Klein, M.T. 263  
Kosuge, H. 59  
Krishna, R. 81  
Kunesh, J.G. 11  
Lafuente, C. 1  
Larachi, F. 245  
Li, X. 249  
Li, Z.M. 95  
Lin, H. 209  
Liu, T. 249  
López, M.C. 1  
Manyele, S.V. 151  
Martín, S. 1  
Martínez de la Ossa, E. 103  
Marwaha, N.S. 141  
Molero Gómez, A. 103  
Mortaheb, H.R. 59  
Murugesan, T. 233, 247  
Nikolova, A. 119  
Nougués, J.M. 225  
Ooshima, H. 53  
Pareau, D. 71  
Pärssinen, J.H. 151  
Peev, G. 119  
Pin, C. 37, 45  
Ping, N. 209  
Puigjaner, L. 225  
Reshetnikov, S.I. 201  
Rongqi, Z. 21  
Saboni, A. 127  
Shan, G. 53  
Sheu, Y.-W. 27  
Shi, C.Y. 95  
Shuying, W. 21  
Sivakumar, V. 233, 247  
Smit, B. 81  
Stambouli, M. 71  
Sun, X. 249  
Todorova, D. 119  
Topaloğlu, D. 255  
Tu, C.-H. 27  
Tümsek, F. 255  
Varley, J. 111  
Wan, Y.S.S. 187  
Wang, H. 249  
Wang, J. 215  
Wang, Y.D. 95  
Yang, S.H. 95  
Yang, X.J. 37, 45  
Yeung, K.L. 187  
Yunlin, C. 209  
Zhanting, D. 21  
Zheng, X.L. 95  
Zheng, Y. 141  
Zhu, J.-X. 141, 151



## Subject Index of Volume 88

**Acoustic emissions**

Measurement of gas hold-up in bubble columns from low frequency acoustic emissions, 111

**Adsorption thermodynamic parameters**

Evaluation of the thermodynamic parameters for the adsorption of some hydrocarbons on 4A and 13X zeolites by inverse gas chromatography, 255

**Agitation**

Dissolution kinetics of crystals in suspension and its application to L-aspartic acid crystals, 53

**Alkane**

Isobaric vapour-liquid equilibrium of binary and ternary mixtures containing cyclohexane, *n*-hexane, 1,3-dioxolane and 1-butanol at 40.0 and 101.3 kPa, 1

**Analytical solution**

Mixing pool model for prediction of distillation tray efficiency with liquid entrainment, 21

**Apparent tray efficiency**

Mixing pool model for prediction of distillation tray efficiency with liquid entrainment, 21

**ASOG**

Isobaric vapour-liquid equilibrium of binary and ternary mixtures containing cyclohexane, *n*-hexane, 1,3-dioxolane and 1-butanol at 40.0 and 101.3 kPa, 1

**Bacteria**

Formation process of mixed fouling of microbe and  $\text{CaCO}_3$  in water systems, 249

**Batch and semibatch reactor**

Comparative study of two chemical reactions with different behaviour in batch and semibatch reactors, 225

**Block copolymer**

Separation of phenol from aqueous solutions by polymeric reversed micelle extraction, 95

**Borage seed oil**

Quality of borage seed oil extracted by liquid and supercritical carbon dioxide, 103

**Bubble columns**

Measurement of gas hold-up in bubble columns from low frequency acoustic emissions, 111

**1-Butanol**

Isobaric vapour-liquid equilibrium of binary and ternary mixtures containing cyclohexane, *n*-hexane, 1,3-dioxolane and 1-butanol at 40.0 and 101.3 kPa, 1

**Calcium carbonate**

Formation process of mixed fouling of microbe and  $\text{CaCO}_3$  in water systems, 249

**Carbon dioxide**

Quality of borage seed oil extracted by liquid and supercritical carbon dioxide, 103

**Catalytic decomposition process**

Catalytic decomposition process of cumene hydroperoxide using sulfonic resins as catalyst, 215

**Change in crystal size distribution**

Dissolution kinetics of crystals in suspension and its application to L-aspartic acid crystals, 53

**Clear liquid height**

Hydrodynamics and mass transfer in heterogeneous distillation with sieve tray column, 59

**Cluster frequency**

Characterizing particle aggregates in a high-density and high-flux CFB riser, 151

**Cluster time fraction**

Characterizing particle aggregates in a high-density and high-flux CFB riser, 151

**Coalescence**

Interdrop coalescence with mass transfer: comparison of the approximate drainage models with numerical results, 127

**Column hydraulics**

Column hydraulics: system limit/ultimate capacity, 11

**Concentration fiber optic probe**

Characterizing particle aggregates in a high-density and high-flux CFB riser, 151

**Configurational-bias Monte Carlo**

Investigation of entropy effects during sorption of mixtures of alkanes in MFI zeolite, 81

**Crystal phase dissolving**

Phase transitions in the active component of vanadium catalyst for sulfur dioxide oxidation: crystal phase dissolving, 201

**Cumene hydroperoxide**

Catalytic decomposition process of cumene hydroperoxide using sulfonic resins as catalyst, 215

**Diffusion flux**

Hydrodynamics and mass transfer in heterogeneous distillation with sieve tray column, 59

**1,3-Dioxolane**

Isobaric vapour-liquid equilibrium of binary and ternary mixtures containing cyclohexane, *n*-hexane, 1,3-dioxolane and 1-butanol at 40.0 and 101.3 kPa, 1

**Dissolution**

Mass transfer from solid particles to power law non-Newtonian fluid in granular bed at low Reynolds numbers, 119

**Dissolution kinetics**

Dissolution kinetics of crystals in suspension and its application to L-aspartic acid crystals, 53

**Dissolution of L-aspartic acid crystals**

Dissolution kinetics of crystals in suspension and its application to L-aspartic acid crystals, 53

**Distillation**

Mixing pool model for prediction of distillation tray efficiency with liquid entrainment, 21

**Distillation column**

Effect of feed on optimal thermodynamic performance of a distillation column, 175



